FIG. 1

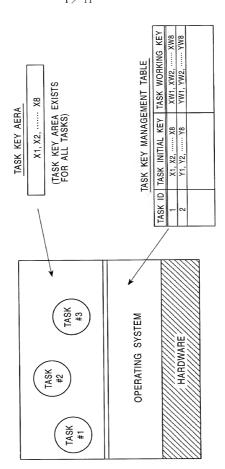


FIG. 2

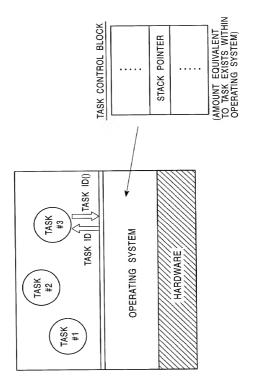
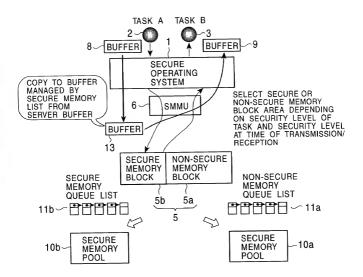
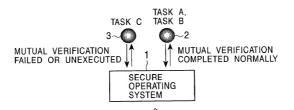


FIG. 3



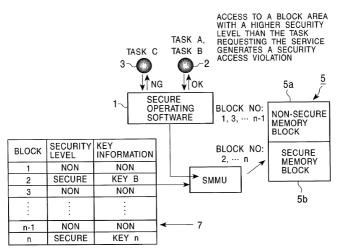
## FIG. 4



TASK ID	SECURITY LEVEL	KEY INFORMATION
Α	SECURE	KEY A
В	SECURE	KEY B
С	NON	NON
	:	:
N-1	NON	NON
N	SECURE	KEY_N

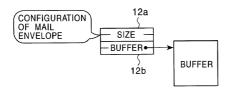
SECURITY OPERATING SYSTEM INTERNALLY HOLDS SECURITY LEVEL (SECURE, NON-SECURE) FOR EACH TASK

FIG. 5



SET SECURITY LEVEL FOR EACH BLOCK

FIG. 6



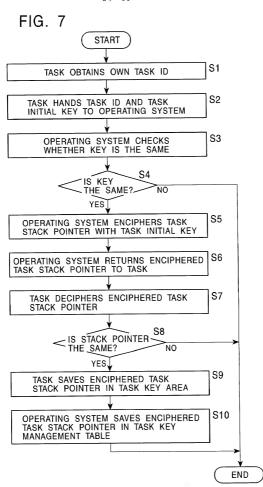
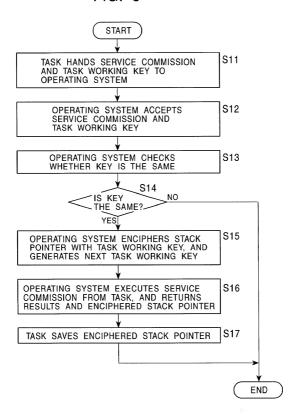
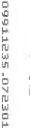


FIG. 8





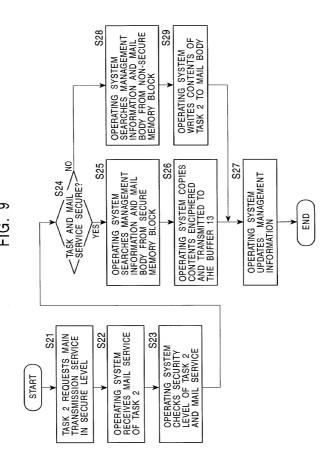
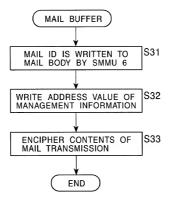
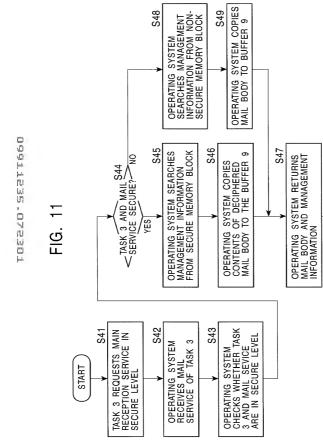


FIG. 10





END

## FIG. 12A

MAIL TRANSMISSION

SendMail(int MailBoxNumber, MailBuf \*buf, int SecurityLevel)

## FIG. 12B

MAIL RECEPTION

RecvMail(int MailBoxNumber, MailBuf \*buf, int SecurityLevel)